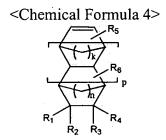
Appl. No. 10/080,507 Amdt. dated November 10, 2005 Amendment Accompanying RCE

Amendments to the Specification:

Please replace the paragraph at page 4, lines 5-26 with the following amended paragraph:

For example, in the case of preparing a photoresist copolymer from alicyclic olefin derivatives, for example, as represented by the following Chemical Formula 4, polymerization is performed by dissolving two or more compounds represented by Chemical Formula 4 and a cross-linking monomer of Chemical Formula 1 in organic solvent, and adding a radical initiator or a metal catalyst to the resultant solution to induce polymerization:



wherein, k and n individually represent the number 1 or 2; p represents a number from 0 to 5, R_5 and R_6 individually represent hydrogen or methyl, R_1 , R_2 , R_3 , and R_4 individually represent hydrogen, straight or branched C_{1-10} alkyl, straight or branched C_{1-10} ester, straight or branched C_{1-10} ketone, straight or branched C_{1-10} carboxylic acid, straight or branched C_{1-10} acetal, straight or branched C_{1-10} alkyl including at least one hydroxyl group, straight or branched C_{1-10} ester including at least one hydroxyl group, straight or branched C_{1-10} carboxylic acid including at least one hydroxyl group, and straight or branched C_{1-10} acetal including at least one hydroxyl group. [[, wherein,]] In one embodiment, at least one of R_1 , R_2 , R_3 , and R_4 represent straight or branched C_{1-10} alkyl including at least one hydroxyl group, straight or branched C_{1-10} ester including at least one hydroxyl group, straight or branched C_{1-10} ester including at least one hydroxyl group, straight or branched C_{1-10} carboxylic group including at least one hydroxyl group, straight or branched C_{1-10} acetal including at least one hydroxyl group, straight or branched C_{1-10} acetal including at least one hydroxyl group, straight or branched C_{1-10} acetal including at least one hydroxyl group, straight or branched C_{1-10} acetal including at least one hydroxyl group, straight or branched C_{1-10} acetal including at least one hydroxyl group, straight or branched C_{1-10} acetal including at least one hydroxyl group, straight or branched C_{1-10} acetal including at least one hydroxyl group, straight or branched C_{1-10} acetal including at least one hydroxyl group, straight or branched C_{1-10} acetal including at least one hydroxyl group, straight or branched C_{1-10} acetal including at least one hydroxyl group, straight or branched C_{1-10} acetal including at least one hydroxyl group, straight or branched C_{1-10}

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Please replace the paragraph at page 5, line 8 - page 6, line 8 with the following amended paragraph:

A desirable photoresist polymer prepared by using the polymerization process of the present invention is represented by following Chemical Formula 5:

wherein, k and n individually represent the number 1 or 2; m represents a number from 1 to 10; p represents a number from 0 to 5; R', R", R_5 and R_6 individually represent hydrogen or methyl; R is selected from the group consisting of straight or branched C_{1-10} alkyl, straight or branched C_{1-10} ketone, straight or branched C_{1-10} acetal, straight or branched C_{1-10} alkyl including at least one hydroxyl group, straight or branched C_{1-10} ester including at least one hydroxyl group, straight or branched C_{1-10} carboxylic acid including at least one hydroxyl group, and straight or branched C_{1-10} acetal including at least one hydroxyl group, and straight or branched C_{1-10} acetal including at least one hydroxyl group; R_1 , R_2 , R_3 and R_4 are individually selected from the group consisting of hydrogen, straight or branched C_{1-10} alkyl, straight or branched C_{1-10} ester, straight or branched C_{1-10} ketone, straight or branched C_{1-10} acetal, straight or branched C_{1-10} alkyl including at least one hydroxyl group, straight or branched C_{1-10} ester including at least one hydroxyl group, straight or branched C_{1-10} ester including at least one hydroxyl group, straight or branched C_{1-10} ester including at least one hydroxyl group, straight or branched C_{1-10} ester including at least one hydroxyl group, straight or branched C_{1-10} straight or branched C_{1-10} ester including at least one hydroxyl group, straight or branched C_{1-10} straight or branched C_{1-10} ester including at least one hydroxyl group, straight or branched C_{1-10} straight or branched C_{1-10} ester including at least one hydroxyl group, straight or branched C_{1-10} straight or branched C_{1-10} ester including at least one hydroxyl group, straight

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or branched C_{1-10} acetal including at least one hydroxyl group, wherein, at least one of R_1 , R_2 , R_3 , and R_4 represent straight or branched C_{1-10} alkyl including at least one hydroxyl group, straight or branched C_{1-10} ester including at least one hydroxyl group, straight or branched C_{1-10} ester including at least one hydroxyl group, straight or branched C_{1-10} earboxylic group including at least one hydroxyl group, straight or branched C_{1-10} earboxylic group including at least one hydroxyl group, straight or branched C_{1-10} acetal including at least one hydroxyl group; and the ratio a:b:c is preferably 1-50 mol%: 10-50 mol%: 0.1-20 mol%. In one embodiment, at least one of R_1 , R_2 , R_3 , and R_4 represent straight or branched C_{1-10} alkyl including at least one hydroxyl group, straight or branched C_{1-10} ketone including at least one hydroxyl group, straight or branched C_{1-10} ketone including at least one hydroxyl group, straight or branched C_{1-10} carboxylic group including at least one hydroxyl group, straight or branched C_{1-10} acetal including at least one hydroxyl group. In another embodiment, all of R_1 , R_2 , R_3 , and R_4 do not represent hydrogen at the same time.